

What is claimed:

1. A pigment comprising a pigmentary base that has been treated with the products  
5 resulting from the reaction of organic alcohols and either  $P_2O_5$  or phosphoric acid
2. A pigment according to claim 1, wherein the products result from the reaction of  
organic alcohols,  $P_2O_5$  and phosphoric acid.
- 10 3. A pigment comprising a pigmentary base that has been treated with an organo-acid  
phosphate compound having the formula:  
$$(R-O)_xPO(OH)_y$$
  
15 wherein  $x = 1$  or  $2$ ;  
 $y = 3 - x$ ; and  
 $R$  is an organic group having from 2 to 22 carbon  
atoms.
4. A pigment according to claim 1, wherein the pigmentary base is selected from the  
20 group of titanium dioxide, kaolin, talc, mica and calcium carbonate.
5. A pigment according to claim 3, wherein the pigmentary base is selected from the  
group of titanium dioxide, kaolin, talc, mica and calcium carbonate.
- 25 6. A pigment according to claim 4, wherein the pigmentary base is titanium dioxide.
7. A pigment according to claim 5, wherein the pigmentary base is titanium dioxide.
8. A pigment according to claim 1, wherein the pigmentary base is treated with a  
30 compound selected from the group of polyalcohols, alkanolamines, aluminum oxide,  
silicon dioxide and zirconium oxide.

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9. A pigment according to claim 3, wherein the pigmentary base is treated with a compound selected from the group of polyalcohols, alkanolamines, aluminum oxide, silicon dioxide and zirconium oxide.
10. A pigment according to claim 8, wherein the pigmentary base is treated with trimethylolpropane.
- 10 11. A pigment according to claim 9, wherein the pigmentary base is treated with trimethylolpropane.
12. A pigment according to claim 8, wherein the pigmentary base is treated with triethanolamine.
- 15 13. A pigment according to claim 9, wherein the pigmentary base is treated with triethanolamine.
14. A pigment according to claim 1, wherein the organic alcohol is a hexanol or an octanol.
- 20 15. A pigment according to claim 3, wherein R is hexyl- or octyl- .
16. A pigment according to claim 1, wherein the organic alcohol is 2-ethylhexanol.
- 25 17. A pigment according to claim 3, wherein R is 2-ethylhexyl-.
18. A pigment according to claim 1, wherein the products are present in an amount from about 0.01 percent to about 5 percent by weight of the pigmentary base, based on the weight of the pigmentary base prior to treating the pigmentary base with the products.

- 5 19. A pigment according to claim 3, wherein the organo-acid phosphate compound is present in the amount from about 0.01 percent to about 5 percent by weight of the pigmentary base, based on the weight of the pigmentary base prior to treating the pigmentary base with the organo-acid phosphate compound.
20. A pigment according to claim 1, wherein the pigmentary base has been treated with the products prior to spray drying.
- 10 21. A pigment according to claim 3, wherein the pigmentary base has been treated with the organo-acid phosphate compound prior to spray drying.
22. A pigment according to claim 1, wherein the pigmentary base has been treated with the products during milling.
- 15 23. A pigment according to claim 3, wherein the pigmentary base has been treated with the organo-acid phosphate compound during milling.
- 20 24. A pigment according to claim 1, wherein the pigmentary base has been treated with the products when the pigmentary base is a filter cake.
- 25 25. A pigment according to claim 3, wherein the pigmentary base has been treated with the organo-acid phosphate compound when the pigmentary base is a filter cake.
26. A pigment according to claim 1, wherein the pigmentary base has been treated with the products during micronization.
27. A pigment according to claim 3, wherein the pigmentary base has been treated with the organo-acid phosphate compound during micronization.

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28. A polymer matrix comprised of a polymer and the pigment of claim 1.

29. A polymer matrix comprised of a polymer and the pigment of claim 3.

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30. A polymer matrix according to claim 28, wherein the polymer is polyethylene.

31. A polymer matrix according to claim 29, wherein the polymer is polyethylene.

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32. A polymer matrix according to claim 28, wherein the amount of the pigment is from about 50 percent to about 85 percent by weight of the polymer matrix, based on the weight of the polymer matrix.

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33. A polymer matrix according to claim 29, wherein the amount of the pigment is from about 50 percent to about 85 percent by weight of the polymer matrix, based on the weight of the polymer matrix.

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34. A method for preparing a pigment, comprising combining a pigmentary base and an organo-acid phosphate compound, wherein the organo-acid phosphate compound comprises of the reaction products of organic alcohols, and either  $P_2O_5$  or phosphoric acid.

35. A method for preparing a pigment, comprising combining a pigmentary base and an  
organo-acid phosphate compound, wherein the organo-acid phosphate compound has  
the formula:



wherein  $x = 1$  or  $2$ ;  
 $y = 3 - x$ ; and  
R is an organic group having from 2 to 22 carbon  
atoms.

36. A method according to claim 35, wherein said combining occurs at a temperature of  
from about 10 °C to about 270 °C.

37. A method according to claim 35, wherein said combining occurs prior to spray  
drying.

38. A method according to claim 35, wherein said combining occurs during  
micronization.

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